FORM	PTO-139	90 (Modified) U.S. PATENT AND TRADEM.	ATTORNEY'S DOCKET NUMBER UMD-0092						
(10.00	TI	RANSMITTAL LETTER '							
		DESIGNATED/ELECTE	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)						
	CO	NCERNING A SUBMISS	SION UNDER 35 U.S.C. 371	10/505265					
INTE		CIONAL APPLICATION NO. PCT/US2003/05041	INTERNATIONAL FILING DATE 21 February 2003	PRIORITY DATE CLAIMED 21 February 2002					
		NVENTION							
Vari	ant T	Γat Proteins and Methods for	Use Thereof						
APPL	.ICAN	T(S) FOR DO/EO/US							
MA	THE'	WS, Michael B., PE'ERY, Tsa	ifi and REZA, Syed						
Appl	icant ł	herewith submits to the United Stat	es Designated/Elected Office (DO/EO/US) the	ne following items and other information:					
1.	$\boxtimes$	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.							
2.		· · · · · · · · · · · · · · · · · · ·							
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.							
4.		The US has been elected (Article 31).							
5. A copy of the International Application as filed (35 U.S.C. 371 (c) (2))									
		a.  is attached hereto (required only if not communicated by the International Bureau).							
			by the International Bureau.						
_	_	c. is not required, as the application was filed in the United States Receiving Office (RO/US).  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).							
6.			of the International Application as filed (35 U	J.S.C. 371(c)(2)).					
		a. is attached hereto.							
_	570	b. has been previously submitted under 35 U.S.C. 154(d)(4).							
7.	$\boxtimes$		International Application under PCT Article						
		<ul> <li>a. are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. have been communicated by the International Bureau.</li> </ul>							
		·							
		c. have not been made; however, the time limit for making such amendments has NOT expired.							
8.		d. \( \times \) have not been made and will not be made.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3))							
9.									
10.		An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).							
11.		A copy of the International Prelin	ninary Examination Report (PCT/IPEA/409).						
12.		A copy of the International Searc							
Iı	ems 1	13 to 23 below concern document	(s) or information included:	•					
13.			ment under 37 CFR 1.97 and 1.98.						
14.			ording. A separate cover sheet in compliance	with 37 CFR 3.28 and 3.31 is included.					
15.		A FIRST preliminary amendmen							
16.		A SECOND or SUBSEQUENT preliminary amendment.							
17.		A substitute specification.							
18.		A power of attorney and/or change of address letter.							
19.	$\boxtimes$	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.							
20.									
21.		A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).							
22.	$\boxtimes$								
23.	$\boxtimes$	Other items or information:		`					
			tional Application; nd submission in accordance with 37 CFR ration of the inventor(s) (35 U.S.C.371 (c)(4						

U.S. A	PPLICATION	No (if known, 05 2 65	INTERNATIONAL APPLICAT PCT/US2003/05				ATTORNEY'S DOCKET NUMBER UMD-0092		
		2 0 7 2 2							
24.		ollowing fees are submitted:. AL FEE (37 CFR 1.492(a)(1)-(5)	CALCULATION	S PTO USE ONLY					
DASI	Neither inte	ernational preliminary examinational search fee (37 CFR 1.445(a)(2) tional Search Report not prepared	\$1080.00						
	Internation USPTO bu	al preliminary examination fee (3' t International Search Report prep	\$920.00						
	Internation but internat	al preliminary examination fee (3' tional search fee (37 CFR 1.445(a							
×	Internation but all claim	al preliminary examination fee (3° ms did not satisfy provisions of PC	\$730.00						
	Internation and all clai	al preliminary examination fee (3' ms satisfied provisions of PCT Ar	\$100.00		T				
			ATE BASIC FEE AM			\$730.00			
Surch: month	arge of \$130 as from the ea	.00 for furnishing the oath or declarilest claimed priority date (37 C	CFR 1.492(e)).	0	□ 30	\$0.00			
CL	AIMS	NUMBER FILED	NUMBER EXTRA		RATE				
Total	claims	19 - 20 =	0	х	\$18.00	\$0.00			
Indep	endent claim	s 1 - 3 =	0	х	\$86.00	\$0.00			
Multip	ole Depender	nt Claims (check if applicable).		L		\$0.00			
		······································	F ABOVE CALCULAT		<u>NS</u> =	\$730.00			
	Applicant cla educed by 1	ims small entity status. See 37 CF /2.	FR 1.27. The fees indicated above	e are		\$365.00			
			SUB	TO	TAL =	\$365.00			
Proces month	ssing fee of S	6130.00 for furnishing the English arliest claimed priority date (37 C	□ 30 +	\$0.00					
			TOTAL NATIONAL	LF	EE =	\$365.00			
Fee fo	r recording to	he enclosed assignment (37 CFR appropriate cover sheet (37 CFR	1.21(h)). The assignment must be 3.28, 3.31) (check if applicable	e).		\$0.00			
			TOTAL FEES ENCL	os	ED =	\$365.00			
						Amount to be: refunded	\$		
						charged	\$		
		sheck in the amount of	to cover the above fee	s is e	nclosed				
а. b.									
c.	c.  The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment								
d.	to Deposit Account No50-1619  d.  Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.								
Nom									
1.137	E: where and (a) or (b)) m	n appropriate time limit under 3 ust be filed and granted to resto	ore the International Application	n to	pending state	us.	_		
SEND	ALL CORF	RESPONDENCE TO:	1 Jathe	un A. 1	MI				
•	-	ata, Registration No. 32,257							
	ileen A. Tyri ta & Tyrrell	rell, Registration No. 38,350		Kathleen A. Tyrrell					
	ast Main Sti			N	NAME				
Mar	lton, New Je	ersey 08053		38	38,350				
Tel.	856-810-15	515		REGISTRATION NUMBER					
Ear. 956 910 1454						ugust 20, 2004			
				DATE					
i				D,	NIE.				

UMD-0092

## CERTIFICATE OF EXPRESS MAILING

"Express Mail" Label No. EV452328656US Date of Deposit: <u>August 20, 2004</u>

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.A. 1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

- 1) Transmittal Letter (in duplicate);
- 2) PCT International Application;
- 3) Unexecuted Declaration and Power of Attorney;
- 4) Statement to Support Filing and Submission in Accordance with 37 CFR §1.821-1.825;
- 5) A computer-readable form of the sequence listing;
- 6) Authorization to charge deposit account \$365.00 for filing fees;
- 7) Return Postcard.

Kathleen A.